

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4483

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Alvis F. Denison

Known As The

B. V. D. #1, BVD #2 and Hillcrest #22 lodes

Mogollon Rim Mining District,

Coconino County, Arizona

Section 19, Township 11 North, Range 15 East, G&SR Mer.

Surveyed under order dated April 10, 1959

by Richard L. Merritt
Mineral Surveyor.

B.V.D. #1 and BVD #2--November 12, 1951
Claim located Hillcrest #22 August 1, 1951

Survey commenced April 25, 1959

Survey completed May 4, 1959

Address of claimant c/o Joseph H. Morgan, Attorney
322 Luhrs Building
Phoenix, Arizona

DATES OF AMENDED LOCATIONS

Survey No. 4483

Chains

This survey was made with a Burger transit No. 17503, with horizontal limb 5-1/8 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc; a prismatic eyepiece with colored glass was attached to the eyepiece of the transit for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation:

April 25, 1959, at cor. No. 4 of the BVD #2 lode, in latitude $34^{\circ}19'10''$ N., and longitude $110^{\circ}47'$ W., I made a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from cor. No. 1 of the BVD #2 lode to left to the sun.

Mean time of observation, 105th meridian standard time $9h16m30s$.

Declination of sun at mean time of observation $13^{\circ}05'30''$ N.

Mean observed vertical angle to sun's center $43^{\circ}35'30''$.

Mean observed horizontal angle from cor No. 2, BVD #2 lode $43^{\circ}56'30''$.

True bearing to cor. No. 2, BVD #2 lode $S.30^{\circ}20'15''E.$

The lines were measured with a Lufkin steel tape 300 feet in length, graduated every foot, the first and last foot being graduated to tenths and hundredths. The tape was compared to a Lufkin standard at the time of beginning of the survey and found correct.

All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of 15° E.

B. V. D. #1 LODE

At cor. No. 1 of the B. V. D. #1 lode, identical with cor. No. 4 of the BVD #2 lode of this survey.

Set a sandstone, $28 \times 11 \times 8$ ins., 14 ins. in the ground, mkd. X - BVD 1-1, BVD 2-4 - 4483; from which

The east quarter cor. of sec. 19, T.11N., R.15E., Gila and Salt Mer., bears $S. 79^{\circ}05'40''$ E., 661.33 ft. dist.; an iron post, 3/4 ins. diam., 12 ins. above the ground, marked and witnessed as described in the official record.

A pine, 24 ins. diam., bears $S. 34^{\circ}22'$ W., 45.19 ft. dist., mkd. X - BVD 1-1, BVD 2-4 - 4483 BT.

Survey No. 4483

Chains Feet	
	Thence S. $59^{\circ}40'$ W.
1500.0	Cor. No. 2, identical with cor. No. 3, Survey No. 4361, Hillcrest No. 18 lode, cor. No. 4, Survey No. 4361, Hillcrest No. 17 lode, and cor. No. 3; BVD #2 lode of this survey, a sandstone, 8x4 ins., 8 ins. above the ground, mkd. X - H18-3, H17-4 - 4361. I mkd. stone BVD 1-2, BVD 2-3 - 4483; from which
	A pine, 18 ins. diam., bears N. $6^{\circ}50'$ W., 14.45 ft. dist., mkd. X - BVD 1-2, BVD 2-3 - 4483 BT.
	Thence N. $30^{\circ}20'$ W.
300.0	Lode line; discovery point bears N. $59^{\circ}40'$ E., 600.0 ft. dist.
600.0	Cor. No. 3, identical with cor. No. 3, Survey No. 4361, Hillcrest No. 17 lode.
	On line 2-3, Survey No. 4361, Hillcrest No. 19 lode.
	A sandstone, 10x8 ins., 12 ins. above the ground, mkd. X - H17-3 - 4361. I mkd. stone BVD 1-3 - 4483; from which
	A pine, 24 ins. diam., bears N. $66^{\circ}12'$ E., 98.74 ft. dist., mkd. X - BVD 1-3 - 4483 BT.
	Thence N. $59^{\circ}40'$ E.
300.0	Cor. No. 2, Survey No. 4361, Hillcrest No. 19 lode, identical with cor. No. 3, Survey No. 4361, Hillcrest No. 15 lode.
900.0	Cor. No. 2, Survey No. 4361, Hillcrest No. 15 lode, identical with cor. No. 4, Survey No. 4361, Hillcrest No. 16 lode.
1500.0	Cor. No. 4, identical with cor. No. 3, Survey No. 4361, Hillcrest No. 16 lode, cor. No. 2, Survey No. 4463, Hillcrest #23 lode.
	A sandstone, 8x6 ins., 10 ins. above the ground; mkd. X - H16-3 - 4361, H23-2 - 4463. I mkd. stone BVD 1-4 - 4483; from which
	A pine, 18 ins. diam., bears N. $20^{\circ}08'$ E., 17.3 ft. dist., mkd. X - BVD 1-4 - 4483 BT.
	Thence S. $30^{\circ}20'$ E.
300.0	Lode line; discovery point bears S. $59^{\circ}40'$ W., 900. ft. dist.
600.0	Cor. No. 1, and place of beginning.
	BVD #2 LODE
	At cor. No. 1 of the BVD #2 lode.
	Set a sandstone, 30x12x4 ins., 16 ins. in the ground, mkd. X - BVD 2-1 - 4483; from which
	The east quarter cor. sec. 19, T.11N., R.15E., Gila and Salt River Mer., bears N. $71^{\circ}24'35''$ E., 523.67 ft. dist.
	A pine, 24 ins. diam., bears S. $49^{\circ}01'$ W., 24.53 ft. dist., mkd. X - BVD 2-1 - 4483 BT.

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CHAINS Feet	
	Thence S. 59°40' W.
1485.0	Cor. No. 3, Hillcrest #22 lode of this survey.
1500.0	Cor. No. 2, identical with cor. No. 4, Survey No. 4361, Hillcrest No. 18 lode.
	A sandstone, 12x8 ins., 12 ins. above the ground, mkd. X - H18-4 - 4361. I mkd. stone BVD 2-2 - 4483; from which
	A pine, 20 ins. diam., bears S. 8°57' W., 29.6 ft. dist., mkd. X - BVD 2-2 - 4483 BT.
	Thence N. 30°20' W.
300.0	Lode line; discovery point bears N. 59°40' E., 1200 ft. dist.
600.0	Cor. No. 3, identical with cor. No. 3, Survey No. 4361, Hillcrest No. 18 lode, cor. No. 4, Survey No. 4361, Hillcrest No. 17 lode, and cor. No. 2, B. V. D. #1 lode of this survey.
	Thence N. 59°40' E.
1500.0	Cor. No. 4, identical with cor. No. 1, B. V. D. #1 lode of this survey.
	Thence S. 30°20' E.
300.0	Lode line; discovery point bears S. 59°40' W., 300 ft. dist.
600.0	Cor. No. 1, and place of beginning.
	HILLCREST #22 LODGE
	At cor. No. 1 of Hillcrest #22 lode.
	Set a sandstone, 30x14x6 ins., 16 ins. in the ground, mkd. X - H22-1 - 4483; from which
	The south one-quarter cor. sec. 19, T.11N., R.15E., Gila and Salt River Mer., bears S. 3°34' W., 217.35 ft. dist., an iron post, 3/4 ins. diam., 14 ins. above the ground, marked and witnessed as described in the official record.
	Thence N. 30°20' W.
300.0	Lode line; discovery point bears N. 59°40' E., 175 ft. dist.
600.0	Cor. No. 2.
	On line 4-1, Survey No. 4361, Hillcrest No. 18 lode.
	Set a sandstone, 28x12x6 ins., 15 ins. in the ground, mkd. X - H22-2 - 4483; from which
	Cor. No. 1, Survey No. 4361, Hillcrest No. 18 lode, bears S. 59°40' W., 15 ft. dist.
	A pine, 16 ins. diam., bears S. 81°02' W., 46.97 ft. dist., mkd. X - H22-2 - 4483 BT.

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Chains-- Feet	Thence N. 59°40' E.
1485.0	Cor. No. 4, Survey No. 4361, Hillcrest No. 18 lode, identical with cor. No. 2, BVD #2 lode of this survey.
1500.0	Cor. No. 3.
	On line 1-2, BVD #2 lode of this survey.
	Set a sandstone, 24x12x4 ins., 13 ins. in the ground, mkd. X - H22-3 - 4483; from which
	A pine, 20 ins. diam., bears S. 25°29' W., 40.8 ft. dist., mkd. X - H22-3 - 4483 BT.
	Thence S. 30°20' E.
300.0	Lode line; discovery point bears S. 59°40' W., 1325 ft. dist.
600.0	Cor. No. 4.
	Set a sandstone, 24x10x5 ins., 13 ins. in the ground, mkd. X - H22-4 - 4483.
	Thence S. 59°40' W.
1500.0	Cor. No. 1, and place of beginning.
	AREAS
	Total area, B. V. D. #1 lode
	Total area, BVD #2 lode
	Total area, Hillcrest #22 lode
	Acres 20.661 20.661 20.661
	LOCATION
	This survey is located in NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$ sec. 19, T.11N., R.15E., Gila and Salt River Mer., within the Sitgreaves National Forest.
	The survey of all lodes of this claim are identical with the location notices as marked on the ground. The location monuments, all mounds of stones, 3 ft. base by 3 ft. high, were rebuilt alongside at the four corners of each lode.
	EXPENDITURES
	The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or his grantors are as follows:
No. 1.	The discovery point of the B. V. D. #1 lode is on the lode line, N. 59°40' E. 600 ft. from the center of line 2-3. No Value.
No. 2.	A trench, the west end of which bears N. 36°30' E., 633 ft. from cor. No. 2 of the B. V. D. #1 lode, 12 ft. wide, 1.5 ft. deep, running N. 72° E., 100 ft. Value, \$170.

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Chains Feet	
No. 3.	A trench, the west end of which bears N. 44° E., 584 ft. from cor. No. 2 of the B. V. D. #1 lode, 12 ft. wide, 2 ft. deep, running East 95 ft. Value, \$225.
No. 4.	A trench, the northeast end of which bears S. 33°30' W., 723 ft. from cor. No. 4 of the B. V. D. #1 lode, 12 ft. wide, 6 ft. deep, running S. 45° W., 12 ft. Value, \$80.
No. 5.	A shaft, the center of which bears S. 29°30' W., 688 ft. from cor. No. 4, B. V. D. #1 lode, 9x8 ft., 4 ft. deep. Value, \$25.
No. 6.	A trench, the east end of which bears S. 57°15' W., 458 ft. from cor. No. 4 of the B. V. D. #1 lode; 10 ft. wide, 6 ft. deep, running S. 77° W., 28 ft. Value, \$150.
No. 7.	A trench, the east end of which bears S. 56°30' W., 410 ft. from cor. No. 4 of the B. V. D. #1 lode; 12 ft. wide, 6 ft. deep, running S. 65° W., 18 ft. Value, \$125.
No. 1.	The discovery point of the BVD #2 lode is on the lode line, S. 59° 40' W., 300 ft. from the center of line 4-1. No Value.
No. 2.	A trench, the west end of which bears N. 27°30' E., 720 ft. from cor. No. 2 of the BVD #2 lode, 10 ft. wide, 2 ft. deep, running N. 72° E., 50 ft. Value, \$100.
No. 3.	A trench, the south end of which bears N. 35°30' E., 665 ft. from cor. No. 2 of the BVD #2 lode, 6 ft. wide, 5 ft. deep, running North 21 ft. Value, \$60.
No. 4.	A trench, the south end of which bears N. 25°45' E., 715 ft. from cor. No. 2 of the BVD #2 lode, 10 ft. wide, 3 ft. deep, running North 10 ft. Value, \$35.
No. 5.	A trench, the southwest end of which bears N. 78°45' E., 583 ft. from cor. No. 3 of the BVD #2 lode, 10 ft. wide, 3 ft. deep, running N. 45° E., 60 ft. Value, \$170.
No. 6.	A trench, the north end of which bears S. 47°30' W., 905 ft. from cor. No. 4 of the BVD #2 lode, 6 ft. wide, 4 ft. deep, running S. 15° E., 16 ft. Value, \$50.
No. 7.	A trench, the west end of which bears N. 65° E., 557 ft. from cor. No. 3 of the BVD #2 lode, 10 ft. wide, 2 ft. deep, running S. 54° E., 20 ft. Value, \$50.
No. 8.	A trench, the west end of which bears N. 62°30' E., 572 ft. from cor. No. 3 of the BVD #2 lode, 6 ft. wide, 5 ft. deep, running East 18 ft. Value, \$50.

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Chains—
Feet

- No. 1. The discovery of the Hillcrest #22 lode, a point on the center line of a trench, is on the lode line, N. 59°40' E., 175 ft. from the center of line 1-2. Trench is 15 ft. wide, 2 ft. deep and runs N. 10° W., 55 ft. and S. 10° E., 15 ft. from discovery point.
Value, \$190.00
- No. 2. A trench, the south end of which bears N. 14° E., 716 ft. from cor. No. 1 of the Hillcrest #22 lode, 15 ft. wide, 1 ft. deep, running N. 10° E., 30 ft.
Value, \$50.
- No. 3. A trench, the west end of which bears N. 5°50' E., 648 ft. from cor. No. 1 of the Hillcrest #22 lode, 20 ft. wide, 2.5 ft. deep, running N. 75° E., 30 ft.
Value, \$150.
- No. 4. A trench, the south end of which bears N. 10°45' E., 455 ft. from cor. No. 1 of the Hillcrest #22 lode, 15 ft. wide, 3 ft. deep, running N. 40° E., 40 ft.
Value, \$170.
- No. 5. A trench, the south end of which bears N. 65° E., 205 ft. from cor. No. 2, Hillcrest #22 lode, 6 ft. wide, 2 ft. deep, running N. 30° W., 12 ft.
Value, \$25.
- No. 6. A trench, the south end of which bears N. 19°30' W., 188 ft. from cor. No. 1 of the Hillcrest #22 lode, 25 ft. wide, 3 ft. deep, running N. 10° E., 60 ft.
Value, \$400.
- No. 7. A trench, the south end of which bears N. 17° E., 398 ft. from the center of line 1-2, Hillcrest #22 lode, 5 ft. wide, 3 ft. deep, running North 10 ft.
Value, \$25.
- No. 8. A trench, the south end of which bears N. 80°50' E., 228 ft. from cor. No. 2 of the Hillcrest #22 lode, 10 ft. wide, 1 ft. deep, running N. 15° W., 60 ft.
Value, \$50.

OTHER IMPROVEMENTS

None.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Cor. No. 1, Survey No. 4361, Hillcrest No. 18 lode, is a sandstone, firmly set and properly marked.

Cor. No. 2, Survey No. 4361, Hillcrest No. 19 lode, identical with cor. No. 3, Survey No. 4361, Hillcrest No. 15 lode, is a sandstone, firmly set and properly marked.

Cor. No. 2, Survey No. 4361, Hillcrest No. 15 lode, identical with cor. No. 4, Survey No. 4361, Hillcrest No. 16 lode, is a sandstone, firmly set and properly marked.

Survey No. 4483

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Charts

FIELD ASSISTANTS

Info

Name

Capacity

J. B. Sarvis
Keith Bunn

Chairman
Chairman

U. S. GOVERNMENT PRINTING OFFICE 16-28520-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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CERTIFICATE OF SURVEYOR

May 14th, 1959

I, Richard L. Merritt,
Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the Office of
Cadastral Engineer, at Phoenix, Arizona
dated April 10th, 1959, I have faithfully and correctly executed the survey of
the mining claim of Alvis F. Denison,
known as the B.V.D. #1, B.V.D. #2 and Hillcrest #22 lodes
(Lode, placer, or mill site)
situate in Section 19,
T. 11 N., R. 15 E., Gila and Salt River Meridian, Arizona, and
(State)
designated as Survey No. 4483, which is represented in the foregoing field notes as having been
executed by me and under my direction, and that said survey has been made in strict conformity with said order,
the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner
described in the foregoing field notes, and I do further certify that the labor expended and improvements made
upon or for the benefit of the lodes location(s) embraced in the said mining claim by
(Lode or placer)
claimant(s) or his grantors are fully stated in my report therein, and that the character,
extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no
portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate
of expenditures upon any other claim.

Prescott, Arizona
(Place)

Richard L. Merritt
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Survey Office
(Office)

Phoenix, Arizona September 4, 1959
(Place) (Date)

The foregoing field notes of mineral survey No. 4483, in Mogollon Rim Mining District

Section 19, T. 11 North, R. 15 E., Gila & Salt River Meridian,
Meridian,

Arizona, executed by Richard L. Merritt, Mineral Surveyor,
(State)

under order dated April 10, 1959, having been critically examined and the necessary
corrections made prior to their certification by the surveyor, the field notes and the survey therein described
are hereby approved.

Lester S. Mann

Lester S. Mann

Office Cadastral Engineer
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. _____
is a true copy of the original field notes.

CERTIFICATE OF SURVEYOR

I, Richard A. Hovick,
Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the
Department of the Interior, at Phoenix, Arizona,
dated April 10, 1929, I have faithfully and correctly executed the survey of
the mining claim of Alvin T. Johnson
known as the Alvin T. Johnson
estate in Section 19
T. 11 N., R. 12 E., S. 12 N.,
and Arizona,
situated as Survey No. 1163, which is represented in the foregoing field notes as having been
executed by me and under my direction, and that said survey has been made in strict conformity with said order,
the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner
described in the foregoing field notes, and I do further certify that the lines, expanded and improvements made
upon or for the benefit of the location
location(s) embraced in the said mining claim by
claimant(s) or persons are fully stated in my report therein, and that the character,
extent, location, and limited value thereof are specified therein with particularity and full detail, and that no
portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate
of expenditures upon any other claim.

Richard A. Hovick (Mineral Surveyor)
Phoenix, Arizona (Place)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Survey Office
Phoenix, Arizona (Place)
September 6, 1929 (Date)
The foregoing field notes of mineral survey No. 1163, in Section 19, T. 11 N., R. 12 E., S. 12 N.,
and Arizona, situated as Survey No. 1163, in Section 19, T. 11 N., R. 12 E., S. 12 N.,
executed by Richard A. Hovick, Mineral Surveyor,
under order dated April 10, 1929, having been critically examined and the necessary
corrections made prior to their certification by the surveyor, the field notes and the survey therein described
are hereby approved.

Charles E. Mann
Phoenix, Arizona
Director

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of field notes of the above described mineral survey No. 1163,
is a true copy of the original field notes.